



Sacramento Regional Groundwater Management



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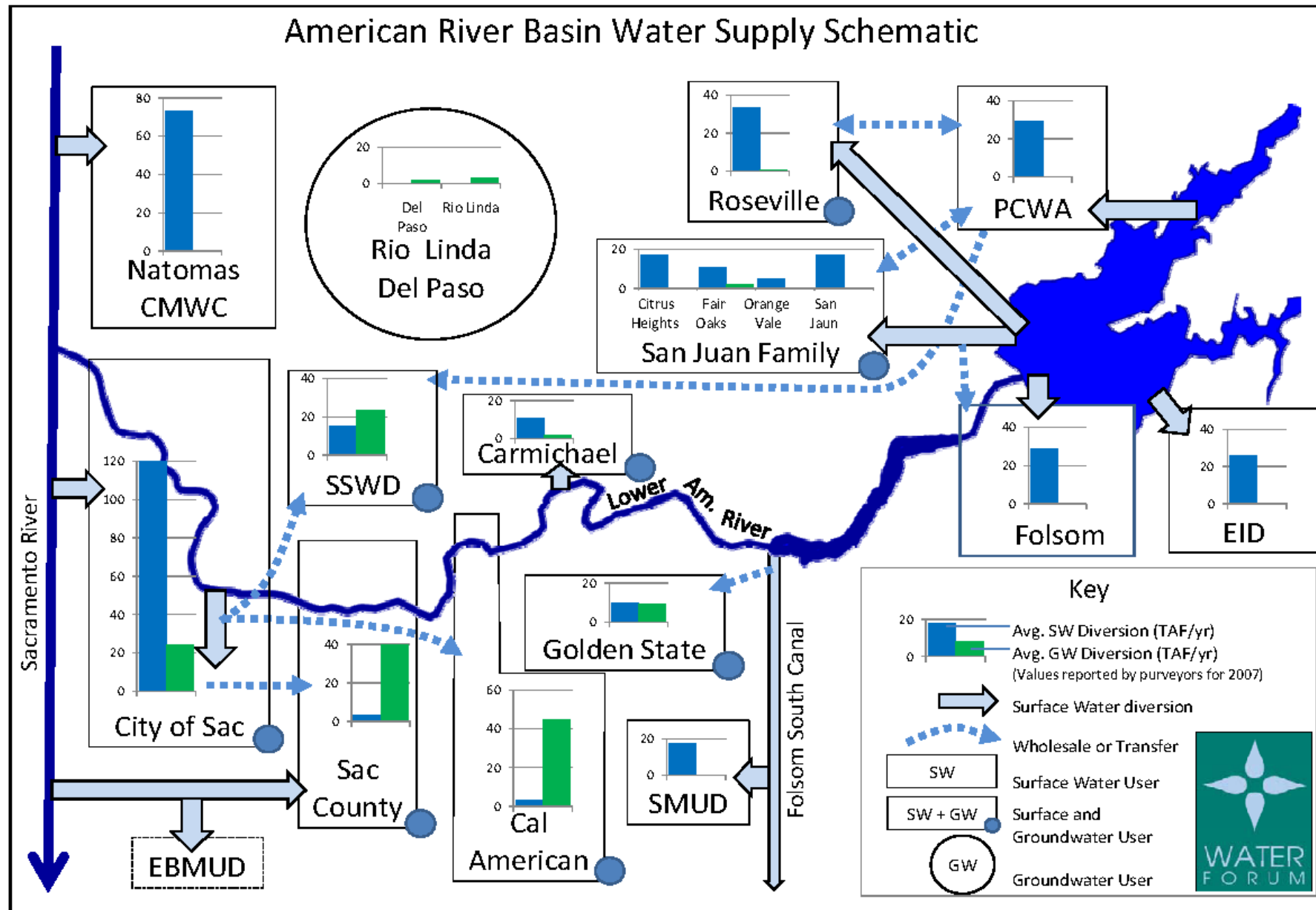
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Sacramento Regional Groundwater Management

- Setting
- Water Forum Agreement
 - 3 Basins
 - Sustainable Yields
- North Basin
- Central Basin
- South Basin

Mix of Surface and Groundwater





Water Forum Agreement

“Our vital groundwater resource supplies over half the water used in the region. The purpose of a groundwater management plan is to protect the viability of that resource for both current and future users.”

(Water Forum Agreement, 2000)



Water Forum Agreement

“This must be accomplished by creating publicly accountable governance structures which respect the rights of all groundwater users. Ideally, these structures should be established using existing authority and institutions.”

(Water Forum Agreement, 2000)



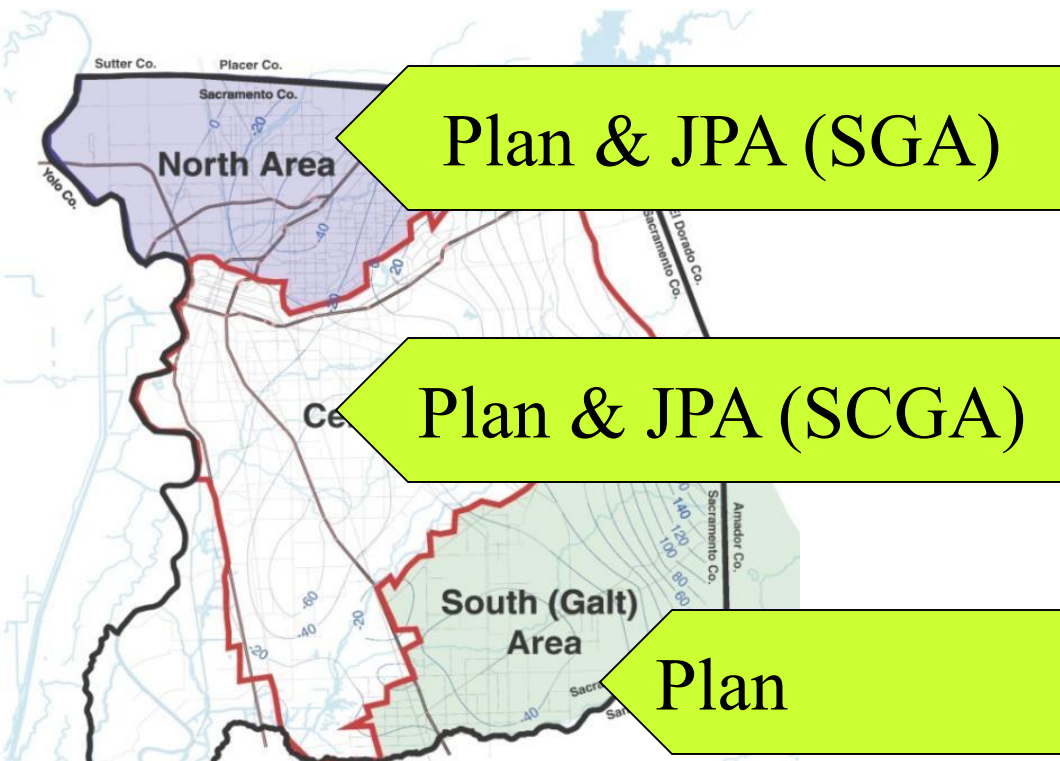
Water Forum Agreement



Sustainable Yields

- North Area
 - 131,000 Acre-feet
- Central Area
 - 273,000 Acre-feet
- South Area
 - 115,000 Acre-feet

Status



Extraction Less than Sustainable Yields

- North Area
 - 131,000 Acre-feet
- Central Area
 - 273,000 Acre-feet
- South Area
 - 115,000 Acre-feet



North Basin Accounting Framework

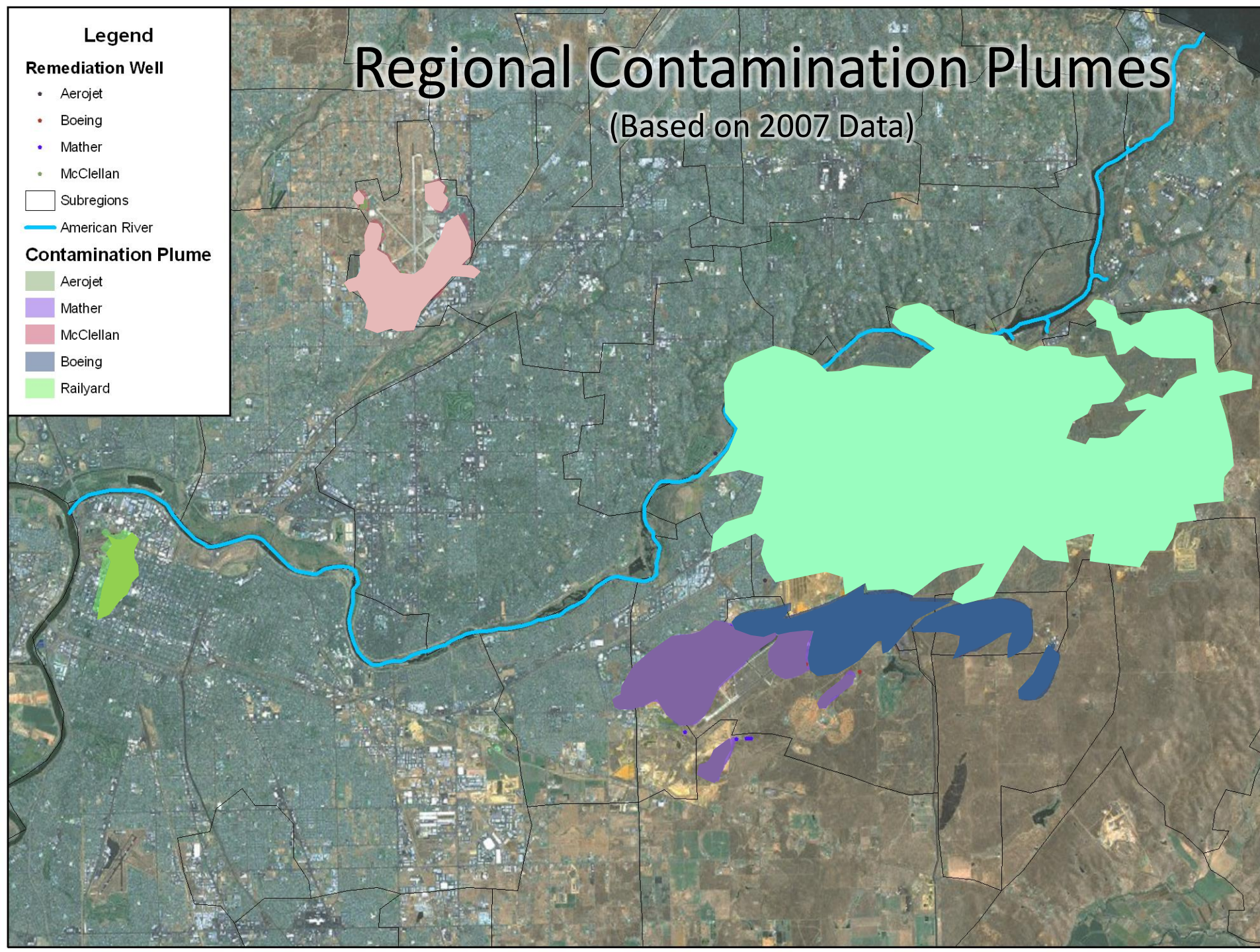
Agency	Pumping Prior to SGA (ac-ft)	Sustainability Reduction (ac-ft)	Sustainable Target (ac-ft)
Carmichael WD	7,516	870	6,646
City of Sacramento	23,287	2,696	20,591
California American Water	20,351	2,356	17,995
Del Paso Manor WD	1,657	192	1,465
Golden State WC	1,242	144	1,098
Rio Linda/Elverta Community WD	3,259	377	2,882
Sacramento County WA	4,850	562	4,288
Sacramento Suburban WD	39,622	4,587	35,035
Total	101,784	11,784	90,000

Central Basin Accounting Framework




Regional Contamination Plumes

(Based on 2007 Data)



Conclusions

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- A horizontal graphic of a blue water splash or wave, with white highlights and bubbles, spanning the width of the slide.
- Extraction less than sustainable yield targets
 - Governance score: 2 out of 3
 - Contamination: scary but contained (maybe)
 - Future: depends on pattern of development